

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Previously Presented) The method according to claim 13, wherein the pre-rinse step comprises one of heating or not heating the rinse liquid.
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Previously Presented) The method according to claim 15, wherein the duration of the cleaning step and the water temperature of the cleaning step are continuously controlled between a minimum value and a maximum value as a function of the turbidity of the rinse liquid and the determined solubility.
9. (Previously Presented) The method according to claim 13, wherein a fuzzy set is used in the central control unit for determining the solubility.
10. (Previously Presented) The method according to claim 9, wherein fuzzy rules are programmed in a programmable memory of the central control unit in order to adapt the fuzzy set to changes in the rinse step.
11. (Cancelled)
12. (Currently Amended) A method of cleaning dishes in a dishwasher in accordance with a programmed wash cycle implemented by a central control unit and comprising a rinse step where a rinse liquid is recirculated in the dishwasher and a cleaning step where a wash liquid is recirculated in the dishwasher, the method comprising:  
determining the solubility of the soil on the dishes to be cleaned; and

setting at least one operating parameter of the cleaning step based on the determined solubility.

13. (Previously Presented) The method according to claim 12, wherein the determination of solubility occurs during a pre-rinse step.

14. (Previously Presented) The method according to claim 13, wherein the pre-rinse step comprises a portion of the rinse step.

15. (Currently Amended) The method according to claim 12, wherein the setting of the at least one operation parameter comprises setting at least one of ~~the~~<sub>g</sub> duration of the cleaning step, ~~the~~<sub>g</sub> water temperature of the cleaning step, ~~the~~<sub>g</sub> volume of water during the cleaning step, and ~~the~~<sub>g</sub> quantity of cleaning agent.

16. (Previously Presented) The method according to claim 12, wherein determining the solubility of the soil on the dishes comprises determining at least one of a temperature of the rinse liquid and a turbidity characteristic of the rinse liquid.

17. (Currently Amended) The method according to claim 16, wherein the determining of the turbidity characteristic of the rinse liquid comprises determining ~~the~~<sub>g</sub> length of time required for the turbidity to stop increasing during the rinse step.

18. (Previously Presented) The method according to claim 17, wherein determining the length of time for the turbidity to stop increasing comprises obtaining at least one measurement from a turbidity sensor.

19. (Currently Amended) The method according to claim 18, wherein determining the length of time for the turbidity to stop increasing comprises determining a difference in turbidity measurements associated with ~~the~~<sub>g</sub> selective operation of an upper spray device and a lower spray device.

20. (Previously Presented) The method according to claim 19, wherein the selective operation of the upper spray device and the lower spray device comprises alternately operating the upper spray device and the lower spray device.